International application No.

PCT/SE 03/00591 A. CLASSIFICATION OF SUBJECT MATTER IPC7: GOIS 7/40, GOIR 29/10, HOIQ 3/26 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation scarched (classification system followed by classification symbols) IPC7: G01R, G01S, H01Q Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched SE,DK,FI,NO classes as above Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPO-INTERNAL, WPI, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. US 5546090 A (R.H.ROY ET AL), 13 August 1996 1-2 (13.08.96), column 2, line 13 - line 38, figure 4 US 5294934 A (S.MATSUMOTO), 15 March 1994 A 1-2 (15.03.94), figure 1, abstract US 6163296 A (E.LIER ET AL), 19 December 2000 1-2 (19.12.00), abstract Further documents are listed in the continuation of Box C See patent family annex. Special categories of cited documents later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international filing date document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) step when the document is taken alone document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document referring to an oral disciosure, uso, exhibition or other document published prior to the international filing date but later than the priority date claimed & document member of the same patent family Date of the actual completion of the international search Date of mailing of the international scarch report **02 -07- 2003** <u>5 June 2003</u> Name and mailing address of the ISA/ Authorized officer Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Göran Magnusson /itw Facsimile No. +46 8 666 02 86

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